

DNAxPAb

Hard-to-Find  
Antibody

# B4GALT5 DNAxPab

Catalog # H00009334-W01P

Size 200 ug

## Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human B4GALT5 DNA using DNAx™ Immune technology.
Technology	<a href="#">DNAx™ Immune</a>
Immunogen	Full-length human DNA
Sequence	MRARRGLLRRLPRRSLLAALFFFSLSSSLLYFVYVAPGIVNTYLFMMQAQGILIRDNVRTIGAQVYEQV LRSAYAKRNSSVNDSDYPLDLNHSETFLQTTTFLPEDFTYFANHTEPERLPSMKGPIDINMSEIGM DYIHELFSKDPTIKLGGHWKPSDCMPRWKVAILIPFRNRHEHLPVLFRLHLLPMLQRQRLQFAFYVV EQVGTQPFNRAMLFNVGFEAMKDLWDCLIFHDVDHIPESDRNYYGCGQMPRHFATKLDKMYMY LLPYTEFFGGVSGLTVEQFRKINGFPNAFWGWGGEDDDLWNRVQNAGYSVSRPEGDTGKYKSIP HHHRGEVQFLGRYALLRKSKERQGLDGLNNLNYFANITYDALYKNITVNLTPELAQVNEY
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

## Gene Info — B4GALT5

Entrez GeneID	<a href="#">9334</a>
GeneBank Accession#	<a href="#">HQ258208.1</a>
Protein Accession#	<a href="#">ADR82962.1</a>
Gene Name	B4GALT5
Gene Alias	B4Gal-T5, BETA4-GALT-IV, MGC138470, beta4Gal-T5, beta4GalT-V, gt-V
Gene Description	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 5
Omim ID	<a href="#">604016</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>This gene is one of seven beta-1,4-galactosyltransferase (beta4GalT) genes. They encode type II membrane-bound glycoproteins that appear to have exclusive specificity for the donor substrate UDP-galactose; all transfer galactose in a beta1,4 linkage to similar acceptor sugars: GlcNAc, Glc, and Xyl. Each beta4GalT has a distinct function in the biosynthesis of different glycoconjugates and saccharide structures. As type II membrane proteins, they have an N-terminal hydrophobic signal sequence that directs the protein to the Golgi apparatus and which then remains uncleaved to function as a transmembrane anchor. By sequence similarity, the beta4GalTs form four groups: beta4GalT1 and beta4GalT2, beta4GalT3 and beta4GalT4, beta4GalT5 and beta4GalT6, and beta4GalT7. The function of the enzyme encoded by this gene is not clear. This gene was previously designated as B4GALT4 but was renamed to B4GALT5. In the literature it is also referred to as beta4GalT2. [provided by RefSeq]</p>
Other Designations	OTTHUMP00000031806 UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase 5 UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 5 beta-1,4-GalT IV beta-1.4-galactosyltransferase V beta4-GalT IV

## Pathway

- [O-Glycan biosynthesis](#)